

PRODUCT DATA SHEET

Purofine® PFA444

Polystyrenic Gel, Type I Strong Base
Anion Resin, Chloride form, Uniform
Particle Size

PRINCIPAL APPLICATIONS

- Demineralization - High Organics
Water

ADVANTAGES

- High operating capacity
- Exceptional physical stability
- Good kinetic performance

TYPICAL PACKAGING

- 1 ft³ Sack
- 25 L Sack
- 5 ft³ Drum (Fiber)
- 1 m³ Supersack
- 42 ft³ Supersack

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Polymer Structure	Gel polystyrene crosslinked with divinylbenzene
Appearance	Spherical Beads
Functional Group	Quaternary Ammonium
Ionic Form	Cl ⁻ form
Total Capacity (min.)	1.1 eq/L (24.0 Kgr/ft ³) (Cl ⁻ form)
Moisture Retention	50 - 60 % (Cl ⁻ form)
Mean Diameter	570 ± 50 µm
Uniformity Coefficient (max.)	1.3
Reversible Swelling, Cl ⁻ → OH ⁻ (max.)	30 %
Specific Gravity	1.07
Shipping Weight (approx.)	660 - 700 g/L (41.2 - 43.8 lb/ft ³)
Temperature Limit	100 °C (212.0 °F) (Cl ⁻ form)
Temperature Limit	60 °C (140.0 °F) (OH ⁻ form)



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